

AMENDMENT TO THE SPECIFICATION

Please amend the abstract of the instant application as follows:

A stochastic processor of the present invention ~~comprises~~ includes a fluctuation generator ~~[[(15)]]~~ configured to output an analog quantity having a fluctuation, a fluctuation difference calculation means ~~[[(401)]]~~ configured to output fluctuation difference data with an output of the fluctuation generator added to analog difference between two data, a thresholding unit ~~[[(47)]]~~ configured to perform thresholding on an output of the fluctuation difference calculation means to thereby generate a pulse, and a pulse detection means configured to detect the pulse output from the thresholding unit.